

CLASSIFICATION RESTRICTED		REPORT	STAT
CENTRAL INTELLIGENCE AGENCY		NO. []	
INFORMATION FROM			
FOREIGN DOCUMENTS OR RADIO BROADCASTS			
COUNTRY	USSR	DATE OF INFORMATION	1947
SUBJECT	Scientific research	DATE DIST.	31 December 1948
HOW PUBLISHED	Periodicals	NO. OF PAGES	1
WHERE PUBLISHED	USSR	SUPPLEMENT TO REPORT NO.	
DATE PUBLISHED	1947		
LANGUAGE	Russian		

UNCLASSIFIED

FEB 2 1955

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SOURCE Documentary as indicated. (Information requested.)

**RECENTLY PUBLISHED RESEARCH OF THE
L'VOV POLYTECHNICAL INSTITUTE**

"Thermodynamic Properties of Solutions of Strong Electrolytes in Formamide: I. Activity Coefficients of Lithium Chloride and Sodium Chloride in Formamide," E. N. Vasenko, L'vov Polytech Inst

"Zhur Fiz Khimii" Vol 21, 1947, pp 361-4

Melting points of formamide solutions of NaCl and LiCl are determined between 0.02 and 0.8 molecules per 1 kg formamide. Assuming the cryoscopic constant of formamide to be 3.166, the activity coefficients are, e.g., 0.942, 0.929, 1.009, and 1.07 for 0.02, 0.1, 0.5, and 0.8 mol/kg of LiCl; and 0.936, 0.909, 0.924, and 0.957 for NaCl. The dependence of the activity coefficient on concentration is similar to that in H₂O. The dielectric constant of formamide, determined by Burdum (thesis, Kharkov) is 126.07 - 0.7206 t between 18° and 25°; t is temperature.

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